

**Table 1C**  
**2015 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**  
**Summary of Demographic Indicators** <sup>(2)</sup>

Run Date: 04/29/2016

Total Records	Number	%	Source of Data	Number	%
Complete Records	46,042	73.0	WIC	63,091	100.0
Prenatal Records	4,198	6.7	Maternal Health	0	0.0
Postpartum Records	12,851	20.4	Other	0	0.0
<b>Total Records Accepted</b>	<b>63,091</b>		<b>Total</b>	<b>63,091</b>	<b>100.0</b>
			<i>Excluded Unknown: 0 0.0</i>		

  

Race/Ethnic Distribution	Number	%	Age Distribution	Number	%	Education Distribution	Number	%
White, Not Hispanic	34,071	54.4	< 15 Years	85	0.1	> High School	19,705	31.9
Black, Not Hispanic	18,273	29.2	15 - 17 Years	2,001	3.2	High School	27,435	44.4
Hispanic	6,425	10.3	18 - 19 Years	5,272	8.4	< High School	14,655	23.7
American Indian/Alaska Native	233	0.4	20 - 29 Years	40,239	63.9	<b>Total</b>	<b>61,795</b>	<b>100.0</b>
Asian/Pacific Islander	1,321	2.1	30 - 39 Years	14,396	22.9	<i>Excluded Unknown: 1,296 2.1</i>		
Multiple Races	2,267	3.6	>= 40 Years	984	1.6			
All Other	0	0.0	<b>Total</b>	<b>62,977</b>	<b>100.0</b>			
<b>Total</b>	<b>62,590</b>	<b>100.0</b>	<i>Excluded Unknown: 114 0.2</i>					
<i>Excluded Unknown: 496 0.8</i>								

  

Poverty Level	Number	%	Program Participation (3)	Number	%	Migrant Status	Number	%
0 - 50	19,937	39.7	WIC	50,240	100.0	Yes	484	0.8
51 - 100	13,711	27.3	SNAP	50,187	52.1	No	62,607	99.2
101 - 130	5,669	11.3	Medicaid	50,151	86.8	<b>Total</b>	<b>63,091</b>	<b>100.0</b>
131 - 150	2,850	5.7	Tanf	50,210	7.0	<i>Excluded Unknown: 0 0.0</i>		
151 - 185	3,810	7.6	Excluded Unknown:					
186 - 200	1,104	2.2	WIC:	0	0.0			
> 200	2,646	5.3	SNAP:	0	0.0			
Adjunctive Eligibility	453	0.9	Medicaid:	0	0.0			
<b>Total</b>	<b>50,180</b>	<b>100.0</b>	Tanf:	0	0.0			
<i>Excluded Unknown: 12,978 20.6</i>								

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 2C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Health Indicators**

Run Date: 04/29/2016

Summary of Health Indicators (2)				
	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Prepregnancy BMI (3)				
Underweight	53,599	4.4	269,156	4.3
Normal Weight	53,599	38.8	269,156	37.8
Overweight	53,599	24.8	269,156	24.7
Obese	53,599	32.0	269,156	33.2
Maternal Weight Gain (4)				
Less Than Ideal	44,460	19.6	150,255	21.5
Ideal	44,460	29.8	150,255	28.2
Greater Than Ideal	44,460	50.7	150,255	50.3
Anemia (Low Hb/Hct) (5)				
1st Trimester	20,778	10.0	65,606	6.5
2nd Trimester	18,185	15.9	67,167	8.7
3rd Trimester	9,750	41.4	79,955	23.0
Postpartum	12,308	31.6	65,753	30.0
Parity (6)				
0	62,128	36.5	207,705	28.4
1	62,128	29.5	207,705	37.2
2	62,128	18.4	207,705	24.7
>= 3	62,128	15.6	207,705	9.7
Interpregnancy Interval				
<= 6 Months	38,587	12.2	175,718	16.4
6 - <18 Months	38,587	26.5	175,718	28.8
>= 18 Months	38,587	61.3	175,718	54.8
Gestational Diabetes	58,170	6.7	131,895	5.6
Hypertension During Pregnancy	58,190	10.7	131,931	7.0

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

(6) Number of times a woman has given birth to an infant 20 or more weeks gestation

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 2C**  
**2015 Pregnancy Nutrition Surveillance**  
**Michigan**  
**Summary of Health Indicators**

(1)

Run Date: 04/29/2016

Summary of Health Indicators (2)				
	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Medical Care				
1st Trimester	57,566	81.1	213,540	81.8
No Care	57,566	9.4	213,540	6.4
WIC Enrollment				
1st Trimester	62,186	34.1	273,764	24.3
2nd Trimester	62,186	30.0	273,764	25.1
3rd Trimester	62,186	16.2	273,764	29.8
Postpartum (3)	62,186	19.7	273,764	20.8
Prepregnancy Multivitamin Consumption (4)	48,464	19.4	113,689	18.5
Multivitamin Consumption During Pregnancy (5)	49,595	86.4	110,023	87.0
Smoking				
3 Months Prior to Pregnancy	56,865	30.6	290,590	30.4
During Pregnancy	49,649	17.8	266,739	26.2
Last 3 Months of Pregnancy	58,232	15.8	287,613	13.7
Postpartum	58,228	16.6	287,627	14.2
Smoking Changes (6)				
Quit Smoking by First Prenatal Visit	15,883	44.8	69,046	22.3
Quit Smoking by First Prenatal Visit and Stayed Off Cigarettes	14,578	39.6	53,814	23.4
Smoking in Household				
During Pregnancy	49,639	13.4	214,208	21.9
Postpartum	58,251	4.2	229,022	17.7
Drinking				
3 Months Prior to Pregnancy	56,753	20.6	290,299	13.2
Last 3 Months of Pregnancy	58,284	0.6	237,256	0.3

(1) Reporting period is January 1 through December 31  
(2) Excludes records with unknown data errors.  
(3) Women who initially enrolled in WIC during the postpartum period.  
(4) Women who reported taking a multivitamin four times a weeks or more in the month before pregnancy, proxy for folic acid consumption.  
(5) Pregnant women who reported taking a multivitamin in the past month; proxy for prenatal iron consumption.  
(6) Among women who smoked 3 months prior to pregnancy.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 2C

2015

Pregnancy Nutrition Surveillance

(1)

Run Date: 04/29/2016

Michigan

Summary of Health Indicators

Summary of Health Indicators (2)				
	Michigan Prevalence		National Prevalence (Prior Year)	
	Number	%	Number	%
Birthweight (3)				
Very Low	54,690	1.5	231,536	0.9
Low	54,690	8.2	231,536	5.2
Normal	54,690	83.4	231,536	62.6
High	54,690	6.9	231,536	31.4
Preterm (4)	56,519	11.9	195,966	11.7
Full term Low Birth Weight (5)	47,822	4.2	204,241	5.9
Multiple Births	57,947	1.7	236,911	0.9
Brestfeeding				
Ever Breastfed	54,824	65.1	206,757	58.7

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Very low birth weight (<1500 g), low birth weight (1500 - <2500 g), normal birth weight (2500 - <4000 g), high birth weight (>4000 g).

(4) <37 weeks gestation.

(5) 37 or more weeks gestation <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 3C

2015    Pregnancy Nutrition Surveillance    (1)

Michigan

Run Date:    04/29/2016

Comparison of Racial Ethnic Distribution by Contributor to Nation

Comparison of Racial and Ethnic Distribution (2)								
	Number Included in Analysis	White, Not Hispanic  %	Black, Not Hispanic  %	Hispanic  %	American Indian/Alaska Native %	Asian/Pacific Islander  %	Multiple Races  %	All Other/Unknown  %
Michigan	63,086	54.0	29.0	10.2	0.4	2.1	3.6	0.8
Nation (Prior Year)	297,721	58.3	25.6	9.9	0.4	2.3	3.3	0.3

(1) Reporting period is January 1 through December 31  
(2) Excludes data with errors  
\* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 4C

2015    Pregnancy Nutrition Surveillance    (1)

Michigan

Comparison of Age Distribution by Contributor to Nation

Run Date:    04/29/2016

Comparison of Age Distribution (2)								
	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Michigan	63,091	0.1	3.2	8.4	63.8	22.8	1.6	0.2
Nation (Prior Year)	297,736	0.2	3.9	10.8	63.6	20.2	1.3	0.1

(1) Reporting period is January 1 through December 31  
(2) Excludes data with errors  
\* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 5C  
2015 Pregnancy Nutrition Surveillance (1)  
Michigan

Run Date: 04/29/2016

Comparison of Maternal Health Indicators by Contributor to Nation

Comparison of Maternal Health Indicators (2)														
	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes During Pregnancy		Hypertension During Pregnancy	
	Under-weight	Over-weight		< Ideal	> Ideal		3rd Trimester	Postpartum						
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%
Michigan	53,599	4.4	56.8	44,460	19.6	50.7	9,750	41.4	12,308	31.6	58,170	6.7	58,190	10.7
Nation (Prior Year)	269,156	4.3	57.9	150,255	21.5	50.3	79,955	23.0	65,753	30.0	131,895	5.6	131,931	7.0

(1) Reporting period is January 1 through December 31  
(2) Excludes records with unknown data errors.  
(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).  
(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).  
(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 6C  
2015 Pregnancy Nutrition Surveillance<sup>(1)</sup>  
Michigan

Run Date: 04/29/2016

Comparison of Maternal Behavioral Indicators by Contributor to Nation

Comparison of Maternal Behavioral Indicators <sup>(2)</sup>									
	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy <sup>(3)</sup>		During Pregnancy <sup>(4)</sup>	
	Number	%	%	Number	%	Number	%	Number	%
Michigan	57,566	81.1	9.4	62,186	34.1	48,464	19.4	49,595	86.4
Nation (Prior Year)	213,540	81.8	6.4	273,764	24.3	113,689	18.5	110,023	87.0

(1) Reporting period is January 1 through December 31.  
(2) Excludes records with unknown data or errors.  
(3) Woman who reported taking a multivitamin four times a weeks or more in the month before pregnancy: proxy for folic acid consumption.  
(4) Pregnant women who reported tkaing a multivitamin in the past month; proxy for prenatal iron consumption.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions.



Table 7C  
2015 Pregnancy Nutrition Surveillance (1)  
Michigan  
Comparison of Smoking Indicators by Contributor to Nation

Run Date: 04/29/2016

Comparison of Smoking Indicators <sup>(2)</sup>										
	Smoking		Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)	Smoking in Household						
	3 Months Prior to Pregnancy	Last 3 Months of Pregnancy		Prenatal	Postpartum					
	Number	%	Number	%	Number	%				
Michigan	56,865	30.6	58,232	15.8	14,578	39.6	49,639	13.4	58,251	4.2
Nation (Prior Year)	290,590	30.4	287,613	13.7	53,814	23.4	214,208	21.9	229,022	17.7

(1) Reporting period is January 1 through December 31.  
(2) Excludes records with unknown data or errors.  
(3) Among women who smoked 3 months prior to pregnancy.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8C

2015 Pregnancy Nutrition Surveillance<sup>(1)</sup>

Michigan

Run Date: 04/29/2016

Comparison of Infant Health Indicators by Contributor to Nation

Comparison of Infant Health Indicators <sup>(2)</sup>									
	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)	High (4)							
	Number	%	%	Number	%	Number	%	Number	%
Michigan	54,690	9.7	6.9	56,519	11.9	47,822	4.2	54,824	65.1
Nation (Prior Year)	231,536	6.1	31.4	195,966	11.7	204,241	5.9	206,757	75.7

(1) Reporting period is January 1 through December 31  
(2) Excludes records with unkown data errors.  
(3) <2500 g.  
(4) >4000 g.  
(5) <37 weeks gestation.  
(6) 37 or more weeks gestation and <2500 g.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 9C**  
**2015 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 04/29/2016

**Maternal Health Indicators by Race/Ethnicity, Age, or Education**

Maternal Health Indicators by Race/Ethnicity, Age, or Education														(2)	
	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				Gestational Diabetes		Hypertension During Pregnancy		
	Under-Weight	Over-Weight		< Ideal	>Ideal	3rd Trimester		Postpartum							
	Number	%	%	Number	%	%	Number	%	Number	%	Number	%	Number	%	
Race/Ethnicity															
White, Not Hispanic	29,193	4.8	54.7	24,338	18.2	51.9	4,999	31.7	7,321	24.6	31,594	6.7	31,607	10.0	
Black, Not Hispanic	15,902	4.2	60.2	13,238	20.2	51.2	3,363	58.0	3,040	49.8	17,115	5.6	17,122	13.4	
Hispanic	5,334	2.4	62.0	4,308	24.0	44.5	840	34.4	1,156	30.2	5,922	8.5	5,923	7.3	
American Indian/Alaska Native	206	3.9	59.2	165	20.0	47.3	33	*	41	*	206	10.7	206	10.2	
Asian/Pacific Islander	974	9.0	34.6	769	27.8	34.7	172	29.1	294	26.2	1,242	14.3	1,241	5.3	
Multiple Races	1,981	4.3	56.2	1,636	19.6	52.7	342	42.1	453	28.5	2,085	5.7	2,085	10.3	
All Other/Unknown	6	*	*	3	*	*	0	*	2	*	1	*	1	*	
Total	53,599	4.4	56.8	44,460	19.6	50.7	9,750	41.4	12,308	31.6	58,170	6.7	58,190	10.7	
Age															
< 15 Years	74	*	*	64	*	*	21	*	6	*	78	*	78	*	
15 - 17 Years	1,707	8.0	35.6	1,432	20.2	50.9	269	53.2	323	36.5	1,860	2.2	1,859	11.0	
18 - 19 Years	4,569	7.2	44.9	3,825	20.2	51.3	809	44.3	881	38.0	4,852	2.0	4,851	9.7	
20 - 29 Years	34,512	4.6	55.7	28,794	19.3	51.0	6,546	41.2	7,730	32.1	37,288	5.4	37,299	9.7	
30 - 39 Years	11,864	2.4	66.4	9,685	19.7	49.9	1,962	39.6	3,096	28.1	13,112	12.3	13,122	13.1	
>= 40 Years	790	2.0	74.4	599	22.9	45.7	127	37.0	248	27.8	872	16.9	873	19.8	
Unknown	83	*	*	61	*	*	16	*	24	*	108	13.0	108	9.3	
Total	53,599	4.4	56.8	44,460	19.6	50.7	9,750	41.4	12,308	31.6	58,170	6.7	58,190	10.7	
Education															
< High School	12,292	5.7	51.8	9,878	23.0	46.8	2,199	47.3	2,550	36.6	13,570	6.0	13,582	9.7	
High School	23,753	4.6	57.1	19,795	19.3	51.4	4,369	42.0	4,988	32.5	25,516	6.4	25,526	10.5	
> High School	16,979	3.2	59.9	14,339	17.4	52.5	3,078	36.5	4,561	27.8	18,342	7.6	18,342	11.6	
Excluded Unknown	575	3.1	57.4	448	22.8	47.3	104	36.5	209	30.1	742	9.0	740	10.1	
Total	53,599	4.4	56.8	44,460	19.6	50.7	9,750	41.4	12,308	31.6	58,170	6.7	58,190	10.7	

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 10C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education**

<b>Maternal Behavioral Indicators by Race/Ethnicity, Age, or Education</b> (2)									
	Medical Care			WIC Enrollment		Multivitamin Consumption			
	1st Trimester		No Care	1st Trimester		Prepregnancy (3)		During Pregnancy (4)	
	Number	%	%	Number	%	Number	%	Number	%
<b>Race/Ethnicity</b>									
White, Not Hispanic	31,258	82.6	10.8	33,641	37.4	27,687	22.1	27,103	88.0
Black, Not Hispanic	16,978	79.5	5.7	18,054	25.0	12,816	14.1	14,062	86.0
Hispanic	5,821	77.3	12.7	6,335	40.6	4,919	18.5	5,335	80.5
American Indian/Alaska Native	205	82.0	9.8	227	37.0	170	32.4	172	81.4
Asian/Pacific Islander	1,221	84.0	8.5	1,298	33.7	1,061	16.2	1,040	81.8
Multiple Races	2,077	79.5	10.6	2,240	36.7	1,806	18.7	1,878	86.2
All Other/Unknown	1	*	*	386	42.2	2	*	1	*
<b>Total</b>	<b>57,566</b>	<b>81.1</b>	<b>9.4</b>	<b>62,186</b>	<b>34.1</b>	<b>48,464</b>	<b>19.4</b>	<b>49,595</b>	<b>86.4</b>
<b>Age</b>									
< 15 Years	78	*	*	84	*	70	*	82	*
15 - 17 Years	1,848	68.4	13.0	1,977	36.5	1,604	8.5	1,723	82.6
18 - 19 Years	4,789	76.5	11.9	5,217	36.5	4,152	9.8	4,489	85.1
20 - 29 Years	36,893	81.9	8.9	39,649	32.6	30,553	18.5	31,579	86.7
30 - 39 Years	12,994	82.4	9.4	14,169	36.6	11,212	26.5	10,880	87.1
>= 40 Years	859	80.0	10.6	977	39.4	788	28.9	755	86.8
Unknown	105	78.1	12.4	113	38.1	85	*	87	*
<b>Total</b>	<b>57,566</b>	<b>81.1</b>	<b>9.4</b>	<b>62,186</b>	<b>34.1</b>	<b>48,464</b>	<b>19.4</b>	<b>49,595</b>	<b>86.4</b>
<b>Education</b>									
< High School	13,378	74.5	11.4	14,450	35.2	10,613	13.2	11,814	80.7
High School	25,276	81.2	9.3	27,093	34.1	21,122	17.7	21,980	86.8
> High School	18,208	85.7	8.1	19,473	33.1	16,109	25.9	15,221	90.6
Excluded Unknown	704	80.8	11.6	1,170	37.1	620	14.5	580	78.1
<b>Total</b>	<b>57,566</b>	<b>81.1</b>	<b>9.4</b>	<b>62,186</b>	<b>34.1</b>	<b>48,464</b>	<b>19.4</b>	<b>49,595</b>	<b>86.4</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for behavioral indicators, and data with errors for behavioral and demographic indicators.

(3) Woman who reported taking a multivitamin four a weeks or more in the month before pregnancy. proxy for folic acid consumption.

(4) Pregnant women who reported tkaing a multivitamin in the past month; proxy for prenatal iron consumption.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 11C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**  
**Smoking Indicators by Race/Ethnicity, Age, or Education**

Run Date: 04/29/2016

Comparison of Smoking Indicators (2)										
	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (3)		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	%	Number	%	Number	%	Number	%	Number	%
Race/Ethnicity										
White, Not Hispanic	31,425	37.9	31,623	21.7	9,921	34.1	27,132	13.9	31,635	3.7
Black, Not Hispanic	16,078	22.5	17,131	8.4	3,086	55.0	14,069	15.2	17,139	5.7
Hispanic	5,834	15.5	5,931	5.4	791	54.6	5,346	6.7	5,927	2.4
American Indian/Alaska Native	197	52.8	207	41.1	82	*	172	26.7	206	8.3
Asian/Pacific Islander	1,240	3.8	1,244	1.2	39	*	1,041	3.4	1,244	1.4
Multiple Races	2,085	37.6	2,090	21.6	657	33.9	1,874	16.6	2,094	5.2
All Other/Unknown	2	*	1	*	0	*	1	*	1	*
<b>Total</b>	<b>56,865</b>	<b>30.6</b>	<b>58,232</b>	<b>15.8</b>	<b>14,578</b>	<b>39.6</b>	<b>49,639</b>	<b>13.4</b>	<b>58,251</b>	<b>4.2</b>
Race/Ethnicity										
< 15 Years	85	*	79	*	7	*	82	*	79	*
15 - 17 Years	1,946	20.9	1,863	7.9	360	54.4	1,726	28.2	1,864	9.6
18 - 19 Years	5,006	31.2	4,855	13.3	1,341	47.7	4,501	23.6	4,857	7.1
20 - 29 Years	35,818	32.4	37,316	16.3	9,869	40.2	31,588	12.8	37,336	3.9
30 - 39 Years	12,978	27.8	13,137	16.6	2,855	32.2	10,901	9.1	13,134	3.1
>= 40 Years	923	20.7	873	13.2	132	26.5	754	7.7	873	3.0
Unknown	109	17.4	109	6.4	14	*	87	*	108	1.9
<b>Total</b>	<b>56,865</b>	<b>30.6</b>	<b>58,232</b>	<b>15.8</b>	<b>14,578</b>	<b>39.6</b>	<b>49,639</b>	<b>13.4</b>	<b>58,251</b>	<b>4.2</b>
Race/Ethnicity										
< High School	12,883	37.9	13,589	22.6	4,170	31.7	11,829	17.7	13,598	6.0
High School	24,891	33.6	25,547	16.7	7,065	41.3	22,016	14.1	25,557	4.2
> High School	18,344	21.8	18,352	9.6	3,245	46.3	15,213	9.3	18,351	2.9
Excluded Unknown	747	19.9	744	11.2	98	*	581	7.4	745	2.4
<b>Total</b>	<b>56,865</b>	<b>30.6</b>	<b>58,232</b>	<b>15.8</b>	<b>14,578</b>	<b>39.6</b>	<b>49,639</b>	<b>13.4</b>	<b>58,251</b>	<b>4.2</b>

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data for smoking indicators, and data with errors for smoking and demographic indicators.

(3) Among women who smoked 3 months prior to pregnancy.

\* Percentages are not calculated if <100 records are available for analysis after exclusions.

**Table 12C**  
**2015 Pregnancy Nutrition Surveillance** (1)

Run Date: 04/29/2016

**Michigan**  
**Infant Health Indicators by Race/Ethnicity, Age, or Education**

<b>Infant Health Indicators by Race/Ethnicity, Age, or Education</b> (2)									
	Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
	Low (3)		High (4)						
	Number	%	%	Number	%	Number	%	Number	%
<b>Race/Ethnicity</b>									
White, Not Hispanic	29,530	8.0	8.8	30,641	10.5	26,217	3.3	29,766	70.3
Black, Not Hispanic	16,299	13.8	3.5	16,764	14.7	13,795	6.1	16,197	52.3
Hispanic	5,550	7.1	8.0	5,687	11.3	4,875	3.1	5,569	70.9
American Indian/Alaska Native	199	4.5	11.1	200	12.5	171	1.2	196	68.4
Asian/Pacific Islander	1,160	9.7	4.0	1,199	10.5	1,027	6.1	1,154	76.9
Multiple Races	1,947	8.7	6.5	2,022	10.2	1,733	4.1	1,937	68.5
All Other/Unknown	0	*	*	1	*	0	*	0	*
<b>Total</b>	<b>54,690</b>	<b>9.7</b>	<b>6.9</b>	<b>56,519</b>	<b>11.9</b>	<b>47,822</b>	<b>4.2</b>	<b>54,824</b>	<b>65.1</b>
<b>Age</b>									
< 15 Years	70	*	*	76	*	57	*	70	*
15 - 17 Years	1,765	8.8	4.4	1,832	11.8	1,541	5.3	1,758	58.1
18 - 19 Years	4,639	8.1	5.3	4,777	10.8	4,118	4.6	4,627	64.6
20 - 29 Years	35,260	7.8	6.7	36,357	10.9	31,139	4.0	35,309	65.5
30 - 39 Years	12,118	9.2	8.6	12,573	14.4	10,286	4.3	12,196	65.5
>= 40 Years	747	13.1	7.8	798	19.8	600	8.0	765	62.4
Unknown	91	*	*	106	9.4	81	*	99	*
<b>Total</b>	<b>54,690</b>	<b>9.7</b>	<b>6.9</b>	<b>56,519</b>	<b>11.9</b>	<b>47,822</b>	<b>4.2</b>	<b>54,824</b>	<b>65.1</b>
<b>Education</b>									
< High School	12,541	9.3	5.2	13,134	13.3	10,750	4.9	12,659	53.6
High School	24,053	8.2	7.0	24,808	11.5	21,123	4.3	24,088	62.8
> High School	17,424	7.5	8.0	17,850	11.3	15,360	3.5	17,382	76.3
Excluded Unknown	672	6.7	7.6	727	11.1	589	2.7	695	73.5
<b>Total</b>	<b>54,690</b>	<b>9.7</b>	<b>6.9</b>	<b>56,519</b>	<b>11.9</b>	<b>47,822</b>	<b>4.2</b>	<b>54,824</b>	<b>65.1</b>

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data for health indicators, and data with errors for health and demographic indicators.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 13C**  
**2015 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**

Run Date: 04/29/2016

**Maternal Weight Gain and Birth Outcomes by Select Health Indicators**

<b>Maternal Weight Gain and Birth Outcomes by Select Health Indicators</b> <sup>(2)</sup>										
	Weight Gain <sup>(3)</sup>			Birthweight			Preterm <sup>(6)</sup>		Full Term LBW <sup>(7)</sup>	
	< Ideal		> Ideal	Low <sup>(4)</sup>		High <sup>(5)</sup>				
	Number	%	%	Number	%	%	Number	%	Number	%
Prepregnancy BMI										
Underweight	2,002	31.3	25.1	2,047	16.2	1.8	2,114	15.2	1,729	8.1
Normal Weight	17,724	23.6	40.7	18,281	10.4	4.9	18,881	11.7	16,016	4.8
Overweight	11,045	12.0	62.4	11,690	8.7	7.2	11,999	11.0	10,322	3.8
Obese	13,689	18.7	57.8	15,063	8.7	9.6	15,433	12.1	13,126	3.3
Weight Gain										
< Ideal	-	-	-	7,936	16.0	3.3	8,164	16.4	6,586	7.4
Ideal	-	-	-	12,679	10.0	4.8	13,020	12.0	11,090	4.4
> Ideal	-	-	-	21,740	6.7	9.4	22,232	9.5	19,509	2.8
Smoking During Pregnancy										
Smokers	6,261	21.4	49.5	7,331	12.3	3.9	7,661	13.1	6,351	6.6
Non-Smokers	28,229	19.0	51.3	35,459	8.0	7.8	36,638	11.1	31,431	3.5

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 14C  
2015 Pregnancy Nutrition Surveillance (1)  
Michigan

Run Date: 04/29/2016

Summary of Trends in Racial Ethnic Distribution

Summary of Trends in Racial and Ethnic Distribution (2)								
Year	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaska Native %	Asian/Pacific Islander %	Multiple Races %	All Other/Unknown %
2015	63,086	54.0	29.0	10.2	0.4	2.1	3.6	0.8
2014	65,941	55.7	28.0	9.7	0.4	2.0	3.6	0.6
2013	67,256	55.5	28.3	9.9	0.4	2.0	3.5	0.6
2012	67,977	56.2	27.5	10.0	0.4	1.9	3.4	0.6
2011	68,267	57.0	27.3	10.0	0.4	1.7	2.9	0.6
2010	68,559	56.7	27.5	10.4	0.3	1.7	2.6	0.7

(1) Reporting period is January 1 through December 31  
(2) Excludes records with unknown data errors.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions



**Table 15C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Trends in Age Distribution**

Run Date: 04/29/2016

Summary of Trends in Age Distribution (2)								
Year	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
<b>2015</b>	63,091	0.1	3.2	8.4	63.8	22.8	1.6	0.2
<b>2014</b>	65,945	0.2	3.4	9.1	63.5	22.1	1.7	0.2
<b>2013</b>	67,261	0.2	3.9	9.8	63.1	21.2	1.6	0.2
<b>2012</b>	67,977	0.2	4.5	10.7	62.2	20.5	1.5	0.3
<b>2011</b>	68,267	0.2	4.9	11.5	61.7	19.9	1.5	0.3
<b>2010</b>	68,559	0.2	5.6	12.6	60.6	19.2	1.4	0.4

(1) Reporting period is January 1 through December 31  
(2) Excludes records with unknown data errors.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions

Table 16C

2015 Pregnancy Nutrition Surveillance

Michigan

Summary of Trends in Maternal Health Indicators

(1)

Run Date: 04/29/2016

Summary of Trends in Maternal Health Indicators <sup>(2)</sup>										
Year	Prepregnancy BMI <sup>(3)</sup>			Weight Gain <sup>(4)</sup>			Anemia (Low Hb/Hct) <sup>(5)</sup>			
	Under-weight		Over-weight	< Ideal		> Ideal	3rd Trimester		Postpartum	
	Number	%	%	Number	%	%	Number	%	Number	%
2015	53,599	4.4	56.8	44,460	19.6	50.7	9,750	41.4	12,308	31.6
2014	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7
2013	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7
2012	61,321	4.4	54.9	48,759	17.4	51.3	9,736	38.4	12,636	27.9
2011	62,449	4.4	54.4	50,780	17.6	51.0	10,073	35.7	13,689	27.5
2010	62,806	4.3	54.7	47,992	18.1	50.9	9,772	35.9	14,361	27.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9). overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 40 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 17C**  
**2015 Pregnancy Nutrition Surveillance** <sup>(1)</sup>  
**Michigan**  
**Summary of Trends in Maternal Behavioral Indicators**

Run Date: 04/29/2016

<b>Summary of Maternal Behavioral Indicators</b> <sup>(2)</sup>					
Year	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	%	%	Number	%
<b>2015</b>	57,566	81.1	9.4	62,186	34.1
<b>2014</b>	60,317	79.7	10.8	64,954	35.7
<b>2013</b>	61,039	79.9	10.5	66,266	36.9
<b>2012</b>	61,308	79.8	10.6	67,036	38.0
<b>2011</b>	60,703	81.1	9.2	67,132	36.7
<b>2010</b>	58,935	80.9	8.9	67,582	37.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 18C**  
**2015 Pregnancy Nutrition Surveillance** (1)

Run Date: 04/29/2016

**Michigan**  
**Summary of Trends in Smoking Indicators**

Summary of Trends in Smoking Indicators <sup>(2)</sup>										
Year	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes <sup>(3)</sup>		Smoking in Household			
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
	Number	%	Number	%	Number	%	Number	%	Number	%
2015	56,865	30.6	58,232	15.8	14,578	39.6	49,639	13.4	58,251	4.2
2014	60,217	32.0	61,120	16.4	16,301	39.4	52,726	14.6	61,124	4.5
2013	62,025	32.3	61,793	16.8	18,044	36.4	54,649	15.1	61,835	5.0
2012	63,072	32.4	61,988	16.9	16,769	38.6	55,380	16.0	61,994	4.9
2011	64,048	32.8	61,427	16.9	16,751	39.5	55,786	16.8	61,403	5.5
2010	64,920	32.9	59,649	17.3	16,257	37.9	56,370	17.9	59,648	6.1

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Prenatal program participation

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 19C**  
**2015 Pregnancy Nutrition Surveillance**  
**Michigan**  
**Summary of Trends in Infant Health Indicators**

(1)

Run Date:

04/29/2016

Summary of Trends in Infant Health Indicators (2)									
Year	Birthweight			Preterm		Full Term LBW		Ever Breastfed	
	Low (3)		High (4)	(5)		(6)			
	Number	%	%	Number	%	Number	%	Number	%
<b>2015</b>	54,690	9.7	6.9	56,519	11.9	47,822	4.2	54,824	65.1
<b>2014</b>	57,572	9.0	7.0	59,292	11.8	50,471	3.8	57,574	63.6
<b>2013</b>	58,028	8.7	7.2	59,882	11.5	50,981	3.7	58,101	63.1
<b>2012</b>	58,368	8.8	7.3	60,111	12.1	50,877	3.7	58,753	61.2
<b>2011</b>	58,040	8.6	7.1	59,523	11.7	50,780	3.6	58,401	60.5
<b>2010</b>	56,075	8.5	7.2	57,799	12.0	48,927	3.6	56,127	59.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 20C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**  
**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Run Date: 04/29/2016

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)										
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)		
		Under-Weight		Over-Weight	< Ideal		>Ideal	3rd Trimester		Postpartum
		Number	%	%	Number	%	%	Number	%	Number %
White, Not Hispanic										
	2015	29,193	4.8	54.7	24,338	18.2	51.9	4,999	31.7	7,321 24.6
	2014	31,771	4.7	53.8	25,693	15.5	53.8	5,165	30.6	7,430 22.2
	2013	32,226	4.6	53.6	25,830	15.1	53.9	5,130	28.8	7,346 21.8
	2012	34,970	4.9	52.5	27,986	15.8	52.6	5,083	30.1	7,816 21.4
Black, Not Hispanic										
	2015	15,902	4.2	60.2	13,238	20.2	51.2	3,363	58.0	3,040 49.8
	2014	16,219	3.9	60.9	13,406	18.5	52.2	3,417	54.7	3,075 45.9
	2013	16,964	3.9	60.3	13,962	18.4	53.2	3,403	54.8	2,891 45.5
	2012	17,110	3.9	59.6	13,731	18.6	51.7	3,333	52.3	3,057 43.8

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 20C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year		Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)			
		Under-Weight		Over-Weight	< Ideal		>Ideal	3rd Trimester		Postpartum	
		Number	%	%	Number	%	%	Number	%	Number	%
Hispanic											
2015		5,334	2.4	62.0	4,308	24.0	44.5	840	34.4	1,156	30.2
2014		5,293	2.2	62.5	4,053	21.9	46.0	810	33.7	1,170	25.3
2013		5,481	2.6	62.2	4,256	21.1	44.9	796	38.2	1,000	31.7
2012		5,786	2.3	61.1	4,353	22.9	44.5	727	36.9	942	29.3
American Indian/Alaska Native											
2015		206	3.9	59.2	165	20.0	47.3	33	*	41	*
2014		191	4.7	53.4	139	23.7	55.4	21	*	50	*
2013		232	3.4	54.3	169	16.6	51.5	22	*	35	*
2012		234	3.8	56.8	171	12.9	50.3	29	*	50	*

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 20C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)											
Race/Ethnicity and Year	Prepregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				
	Under-Weight		Over-Weight	< Ideal		>Ideal	3rd Trimester		Postpartum		
	Number	%	%	Number	%	%	Number	%	Number	%	
Asian/Pacific Islander	2015	974	9.0	34.6	769	27.8	34.7	172	29.1	294	26.2
	2014	986	9.0	32.0	785	27.1	30.7	187	34.8	289	26.3
	2013	1,094	10.1	29.6	865	27.1	31.0	185	28.6	287	22.6
	2012	1,117	9.8	30.3	858	26.1	32.9	192	30.2	282	27.3
Multiple Races	2015	1,981	4.3	56.2	1,636	19.6	52.7	342	42.1	453	28.5
	2014	2,069	4.7	55.8	1,630	16.9	54.5	358	42.5	470	30.0
	2013	2,056	4.8	54.8	1,639	16.3	52.7	365	39.5	435	32.6
	2012	2,095	4.1	53.2	1,656	15.0	53.9	370	35.1	488	30.9

(1) Reporting period is January 1 through December 31  
(2) Excludes records with unknown data errors.  
(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).  
(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).  
(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.  
\* Percentages are not calculated if <100 records are available for analysis after exclusions



**Table 20C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Maternal Health Indicators by Race/Ethnicity**

Summary of Trends in Maternal Health Indicators by Race/Ethnicity (2)												
Race/Ethnicity and Year		Pregpregnancy BMI (3)			Weight Gain (4)			Anemia (Low Hb/Hct) (5)				
		Under-Weight		Over-Weight	< Ideal		>Ideal	3rd Trimester		Postpartum		
		Number	%	%	Number	%	%	Number	%	Number	%	
All Other/Unknown		2015	6	*	*	3	*	*	0	*	2	*
		2014	7	*	*	5	*	*	0	*	1	*
		2013	7	*	*	4	*	*	1	*	1	*
		2012	9	*	*	4	*	*	2	*	1	*
Total All Race/Ethnic Groups		2015	53,599	4.4	56.8	44,460	19.6	50.7	9,750	41.4	12,308	31.6
		2014	56,540	4.3	56.3	45,714	17.2	52.3	9,959	39.6	12,485	28.7
		2013	58,063	4.3	56.0	46,728	16.9	52.4	9,903	38.9	11,995	28.7
		2012	61,321	4.4	54.9	48,759	17.4	51.3	9,736	38.4	12,636	27.9

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight (BMI <18.5), normal weight (BMI 18.5 to 24.9), overweight (BMI 25.0 to 29.9), obese (BMI > 30.0).

(4) Based on 2009 IOM report "Weight Gain During Pregnancy": underweight during pregnancy (ideal weight gain = 28 to 40 pounds), normal weight prepregnancy (ideal weight gain = 25 to 35 pounds), overweight gain = 15 to 25 pounds), obese prepregnancy (ideal weight gain = 11 to 20 pounds).

(5) Based on 1990 MMWR, "Recommendations to prevent and control Iron Deficiency in the United States"; adjusted for altitude and smoking.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 21C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)</b>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
White, Not Hispanic						
	2015	31,258	82.6	10.8	33,641	37.4
	2014	33,737	81.3	12.3	36,233	39.3
	2013	33,997	81.9	11.7	36,816	40.7
	2012	34,701	81.8	11.9	37,770	41.7
Black, Not Hispanic						
	2015	16,978	79.5	5.7	18,054	25.0
	2014	17,232	78.0	6.4	18,263	26.2
	2013	17,561	77.8	6.4	18,797	26.9
	2012	17,091	77.7	6.0	18,476	27.9

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 21C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)</b>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Hispanic	2015	5,821	77.3	12.7	6,335	40.6
	2014	5,752	74.6	15.5	6,304	42.3
	2013	5,889	74.3	16.0	6,509	45.4
	2012	6,064	74.2	16.8	6,690	47.3
American Indian/Alaska Native	2015	205	82.0	9.8	227	37.0
	2014	207	80.7	11.6	227	46.3
	2013	217	81.1	10.1	243	49.8
	2012	219	81.3	8.2	257	38.9

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 21C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)</b>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
Asian/Pacific Islander						
	2015	1,221	84.0	8.5	1,298	33.7
	2014	1,213	82.8	10.1	1,304	33.8
	2013	1,247	83.6	8.3	1,343	35.9
	2012	1,152	80.9	9.9	1,295	33.0
Multiple Races						
	2015	2,077	79.5	10.6	2,240	36.7
	2014	2,170	78.8	11.5	2,360	37.4
	2013	2,121	78.9	10.7	2,304	37.4
	2012	2,076	78.8	10.7	2,259	39.0

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 21C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity**

<b>Summary of Trends in Maternal Behavioral Indicators by Race/Ethnicity (2)</b>						
Race/Ethnicity and Year		Medical Care			WIC Enrollment	
		1st Trimester		No Care	1st Trimester	
		Number	%	%	Number	%
All Other/Unknown	2015	1	*	*	386	42.2
	2014	2	*	*	259	6.6
	2013	3	*	*	249	4.0
	2012	5	*	*	289	2.8
Total All Race/Ethnic Groups	2015	57,566	81.1	9.4	62,186	34.1
	2014	60,317	79.7	10.8	64,954	35.7
	2013	61,039	79.9	10.5	66,266	36.9
	2012	61,308	79.8	10.6	67,036	38.0

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 22C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Smoking Indicators by Race/Ethnicity**

Summary of Trends in Smoking Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes <sup>(3)</sup>		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
White, Not Hispanic											
	2015	31,425	37.9	31,623	21.7	9,921	34.1	27,132	13.9	31,635	3.7
	2014	34,182	39.5	34,171	22.0	11,369	34.4	29,651	15.1	34,175	4.0
	2013	34,978	40.0	34,387	22.8	12,572	31.8	30,488	15.7	34,405	4.3
	2012	36,045	40.6	35,085	23.0	12,012	34.6	31,348	16.9	35,073	4.6
Black, Not Hispanic											
	2015	16,078	22.5	17,131	8.4	3,086	55.0	14,069	15.2	17,139	5.7
	2014	16,491	23.0	17,359	8.7	3,238	54.8	14,478	16.4	17,360	6.2
	2013	17,239	22.4	17,682	8.6	3,489	49.8	15,242	16.9	17,709	7.5
	2012	17,145	21.8	17,193	8.8	3,024	50.9	15,010	17.8	17,222	6.6

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 22C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Smoking Indicators by Race/Ethnicity**

Summary of Trends in Smoking Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes <sup>(3)</sup>		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
Hispanic											
	2015	5,834	15.5	5,931	5.4	791	54.6	5,346	6.7	5,927	2.4
	2014	5,895	15.6	5,918	6.2	795	52.3	5,406	7.2	5,921	2.3
	2013	6,121	16.7	6,088	6.7	958	49.0	5,663	7.5	6,085	2.2
	2012	6,291	16.0	6,212	6.1	867	53.5	5,851	7.1	6,200	2.3
American Indian/Alaska Native											
	2015	197	52.8	207	41.1	82	*	172	26.7	206	8.3
	2014	213	45.5	206	32.5	89	*	197	22.3	205	11.2
	2013	232	52.2	217	34.6	117	21.4	211	20.4	214	8.4
	2012	235	51.9	216	31.5	98	*	212	17.5	217	9.7

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 22C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Smoking Indicators by Race/Ethnicity**

Summary of Trends in Smoking Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes <sup>(3)</sup>		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
Asian/Pacific Islander											
2015		1,240	3.8	1,244	1.2	39	*	1,041	3.4	1,244	1.4
2014		1,253	3.8	1,259	1.4	39	*	1,020	3.7	1,255	1.0
2013		1,293	5.5	1,264	1.3	64	*	1,084	3.0	1,265	1.6
2012		1,237	4.4	1,182	0.9	42	*	1,026	3.5	1,181	1.1
Multiple Races											
2015		2,085	37.6	2,090	21.6	657	33.9	1,874	16.6	2,094	5.2
2014		2,176	41.0	2,200	23.1	770	35.6	1,970	17.6	2,201	5.6
2013		2,154	42.9	2,147	24.1	842	33.4	1,956	20.2	2,149	6.5
2012		2,111	40.6	2,095	22.7	725	34.8	1,928	18.9	2,096	5.7

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

\* Percentages are not calculated if <100 records are available for analysis after exclusions



**Table 22C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Smoking Indicators by Race/Ethnicity**

Summary of Trends in Smoking Indicators by Race/Ethnicity <sup>(2)</sup>											
Race/Ethnicity and Year		Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes <sup>(3)</sup>		Smoking in Household			
		3 Months Prior to Pregnancy		Last 3 Months of Pregnancy				Prenatal		Postpartum	
		Number	%	Number	%	Number	%	Number	%	Number	%
All Other/Unknown											
	2015	2	*	1	*	0	*	1	*	1	*
	2014	3	*	3	*	0	*	0	*	3	*
	2013	4	*	3	*	0	*	1	*	3	*
	2012	8	*	5	*	1	*	5	*	5	*
Total All Race/Ethnic Groups											
	2015	56,865	30.6	58,232	15.8	14,578	39.6	49,639	13.4	58,251	4.2
	2014	60,217	32.0	61,120	16.4	16,301	39.4	52,726	14.6	61,124	4.5
	2013	62,025	32.3	61,793	16.8	18,044	36.4	54,649	15.1	61,835	5.0
	2012	63,072	32.4	61,988	16.9	16,769	38.6	55,380	16.0	61,994	4.9

(1) Reporting period is January 1 through December 31

(2) Excludes data with errors.

(3) Among women who smoked 3 months prior to pregnancy

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 23C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

Summary of Trends in Infant Health Indicators by Race/Ethnicity <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
White, Not Hispanic										
	2015	29,530	8.0	8.8	30,641	10.5	26,217	3.3	29,766	70.3
	2014	32,113	7.4	8.6	33,081	10.4	28,601	3.0	32,154	68.8
	2013	32,152	7.2	8.9	33,207	9.9	28,774	3.0	32,243	68.9
	2012	32,941	7.2	8.9	33,927	10.5	29,275	3.0	33,177	66.8
Black, Not Hispanic										
	2015	16,299	13.8	3.5	16,764	14.7	13,795	6.1	16,197	52.3
	2014	16,556	13.1	3.9	16,994	14.7	14,036	5.7	16,472	50.5
	2013	16,803	12.2	3.8	17,344	14.6	14,251	5.4	16,733	49.5
	2012	16,377	12.7	3.8	16,849	15.7	13,690	5.3	16,429	47.6

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 23C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> (2)										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
Hispanic	2015	5,550	7.1	8.0	5,687	11.3	4,875	3.1	5,569	70.9
	2014	5,500	6.3	8.0	5,671	11.4	4,837	2.6	5,541	69.1
	2013	5,665	6.9	8.3	5,812	11.8	4,956	2.8	5,696	67.2
	2012	5,766	6.5	8.5	5,924	11.2	5,068	2.6	5,809	64.6
American Indian/Alaska Native	2015	199	4.5	11.1	200	12.5	171	1.2	196	68.4
	2014	183	6.0	12.6	194	13.9	157	3.8	182	67.6
	2013	193	3.6	13.0	200	11.5	170	1.2	193	63.7
	2012	202	5.9	11.4	211	10.0	180	2.2	201	71.1

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 23C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Page: 36  
Run Date: 04/29/2016

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

<b>Summary of Trends in Infant Health Indicators by Race/Ethnicity</b> (2)										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
Asian/Pacific Islander										
	2015	1,160	9.7	4.0	1,199	10.5	1,027	6.1	1,154	76.9
	2014	1,153	10.5	5.0	1,206	10.9	1,017	6.0	1,170	73.2
	2013	1,187	7.9	3.8	1,218	11.2	1,048	3.6	1,200	73.4
	2012	1,118	10.6	4.4	1,154	12.2	977	6.3	1,125	72.4
Multiple Races										
	2015	1,947	8.7	6.5	2,022	10.2	1,733	4.1	1,937	68.5
	2014	2,060	8.9	6.7	2,140	11.4	1,817	3.8	2,048	65.5
	2013	2,021	8.9	6.4	2,094	11.4	1,777	3.9	2,029	66.3
	2012	1,959	9.4	6.8	2,041	13.2	1,682	3.6	1,970	65.0

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions

**Table 23C**  
**2015 Pregnancy Nutrition Surveillance** (1)  
**Michigan**

Run Date: 04/29/2016

**Summary of Trends in Infant Health Indicators by Race/Ethnicity**

Summary of Trends in Infant Health Indicators by Race/Ethnicity <sup>(2)</sup>										
Race/Ethnicity and Year		Birthweight			Preterm (5)		Full Term LBW (6)		Ever Breastfed	
		Low (3)		High (4)						
		Number	%	%	Number	%	Number	%	Number	%
All Other/Unknown										
	2015	0	*	*	1	*	0	*	0	*
	2014	3	*	*	2	*	2	*	3	*
	2013	3	*	*	2	*	2	*	3	*
	2012	5	*	*	5	*	5	*	42	*
Total All Race/Ethnic Groups										
	2015	54,690	9.7	6.9	56,519	11.9	47,822	4.2	54,824	65.1
	2014	57,572	9.0	7.0	59,292	11.8	50,471	3.8	57,574	63.6
	2013	58,028	8.7	7.2	59,882	11.5	50,981	3.7	58,101	63.1
	2012	58,368	8.8	7.3	60,111	12.1	50,877	3.7	58,753	61.2

(1) Reporting period is January 1 through December 31

(2) Excludes records with unknown data errors.

(3) <2500 g.

(4) >4000 g.

(5) <37 weeks gestation.

(6) 37 or more weeks gestation and <2500 g.

\* Percentages are not calculated if <100 records are available for analysis after exclusions